

CLAIMS

Listing of Claims:

1. (Currently Amended) A data presentation system, comprising:
 - a decomposition component that automatically segregates at least one information item into a collection of subcomponents relating to the item by analyzing properties of the item including at least one of a type of the item, an item structure and an item content; ~~and~~
 - an interface component to render the subcomponents in a graphical manner to facilitate user processing and interaction with the information item; ~~and~~
 - the interface component further includes a preview display enabling users to inspect sets of items, such as comprising one or more of text applications, projects, tasks, presentation, ~~or~~ graphics applications, ~~and or~~ email documents, and provides interactive representations allowing users to inspect, probe, or navigate among the subcomponents of the items at a focus of attention before launching a full application; and
 - the interface component and the decomposition component are coupled with an offline or real-time analysis using principles of continual computation, and provide caching of rendered results so as to minimize latencies in real time.
2. (Original) The system of claim 1, the interface component renders rich previews of files, and/or other digitally stored items, in the form of interactive graphical representations of computational items or files.
3. (Cancelled)
4. (Cancelled)
5. (Original) The system of claim 1, the interface component employs interactive graphics to expand the subcomponents into cognitive chunks to be processed by users.

6. (Cancelled)
7. (Original) The system of claim 1, the decomposition component is applied to rich previewing within applications as a process for inspecting and navigating among components of an item being extended or refined.
8. (Original) The system of claim 1, the interface component renders data, files, or documents along a 2 or 3 dimensional axis as an icon or display object corresponding to a parameter of the item represented.
9. (Original) The system of claim 8, the interface component enables a user to move a cursor along the axis having a preview pane that displays pages corresponding with particular point(s) on the axis.
10. (Original) The system of claim 8, the interface component enables a user to open an item at a selected location of interest.
11. (Original) The system of claim 10, the interface component displays the subcomponents having a depth display that is indicative of file size or other predetermined metric.
12. (Original) The system of claim 1, the interface component includes features to enable hover, dwell, and clicking commands, providing options to zoom in, or change configurations of a visualization in accordance with a user's intentions or inferences about what they desire to see or inspect more closely.
13. (Original) The system of claim 1, the interface component includes various dimensions, shapes, user controls, sizing, groupings, content renderings, colors, sounds, images, and other utilities for interacting with the subcomponents of the item.

14. (Original) The system of claim 1, the interface component enables a user to observe a last page that was edited.

15. (Original) The system of claim 1, further comprising a development environment allowing third parties to design and test different preview variants for use in a more general operating system platform.

16. (Original) The system of claim 1, further comprising a set of preference controls that change by type of the item, preview visualizations and access behaviors associated therewith.

17. (Cancelled)

18. (Original) The system of claim 1, the interface component provides an exploded view previewer to structure documents in an isometric three-space representation, decomposed into a set of pages comprising the document, sequenced from front to back.

19. (Original) The system of claim 18, the documents having one or more pages that are pulled from a stack of page subcomponents.

20. (Original) The system of claim 19, the pages are decomposed *via* highlighting into components that were pre-existing and components that were last generated.

21. (Original) A computer readable medium having computer readable instructions stored thereon for implementing at least one of the decomposition component and the interface component of claim 1.

22-54. (Cancelled)